



Powered by  **GREE**

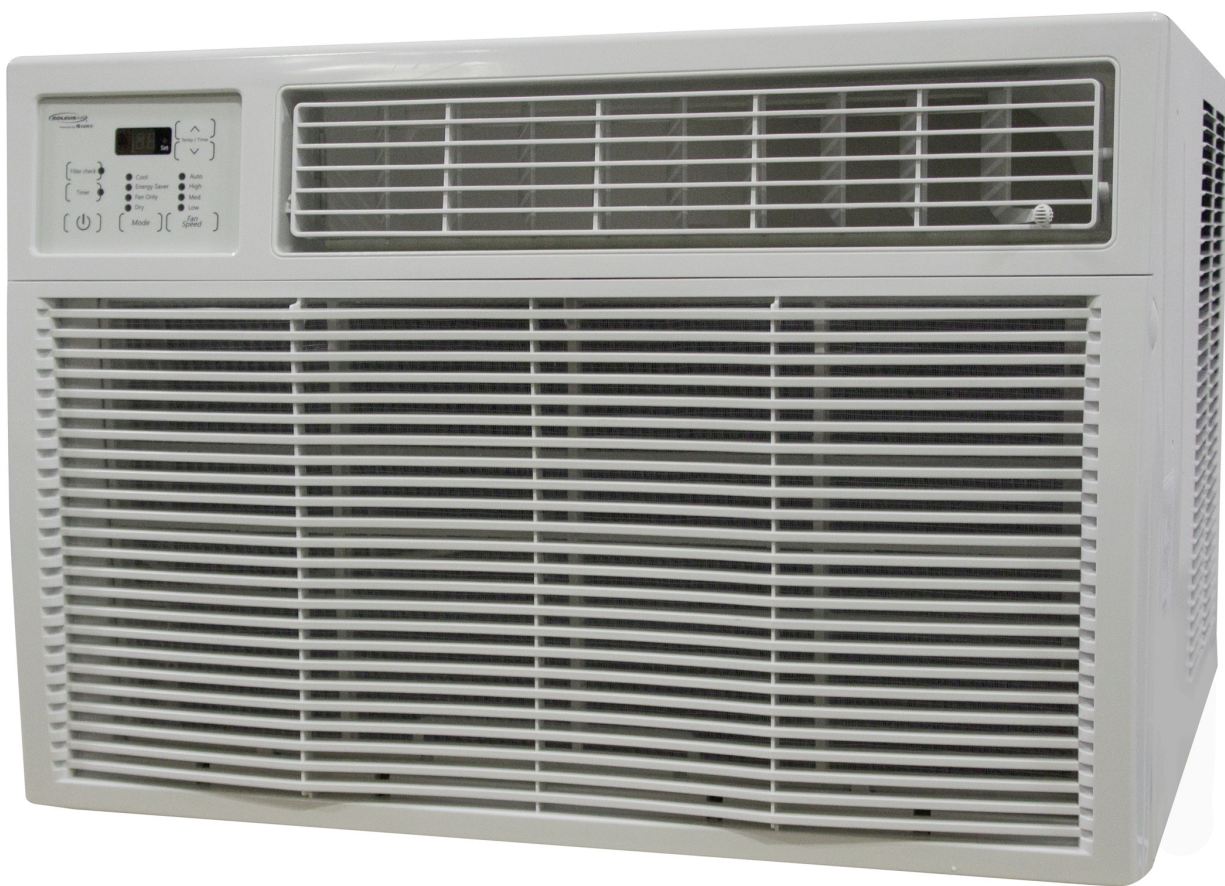


## Models

**SG-WAC-25ESE-C**

Electronic Window Air Conditioner

## Operating Instructions



V.121012



Thank you for choosing a Soleus Air powered by Gree Air Conditioner. This owner's manual will provide you with valuable information necessary for the proper care and maintenance of your new product. Please take a few moments to thoroughly read the instructions and familiarize yourself with all the operational aspects of your new air conditioner.

For your own records, please attach a copy of your sales receipt to this manual. Also, write the store name/location, date purchased, and serial number below:

Store Name: \_\_\_\_\_

Location: \_\_\_\_\_

Date Purchased: \_\_\_\_\_

Serial Number (located on back of unit): \_\_\_\_\_

## IMPORTANT SAFETY INSTRUCTIONS

**Before installing and using your air conditioner, please read this owner's manual carefully. Store this manual in a safe place for future reference. Your safety and the safety of others is very important to us. Please pay attention to all safety messages outlined in this owner's manual.**

**WARNING: To reduce the risk of fire, electrical shock or injury when using your air conditioner, follow the following basic precautions:**

- |   |  |
|---|--|
| <ul style="list-style-type: none"><li>• Plug into a grounded 3 prong outlet.</li><li>• Do not remove the ground prong.</li><li>• Do not use a plug adapter.</li></ul> | <ul style="list-style-type: none"><li>• Do not use an extension cord.</li><li>• Unplug the air conditioner before servicing</li><li>• Use two or more people to move and install the air conditioner</li></ul> |
|---|--|



This is a safety alert symbol.  
This symbol alerts you to potential hazards that can harm you or others or even cause death.  
All safety messages will directly follow the safety alert symbol and/or the words "DANGER" or "WARNING".

**⚠ DANGER**

**⚠ WARNING**

Failure to immediately follow these instructions may cause serious injury or even death.

All Safety messages alert you of potential hazards, how to reduce the chance of injury, and what can happen if instructions are not followed correctly.

## ELECTRICAL REQUIREMENTS

### **⚠ WARNING**



#### Electrical Shock Hazard

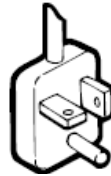
Plug into a grounded 3 prong outlet.  
Do not remove the ground prong.  
Do not use an adapter  
Do not use an extension cord.  
Failure to follow these instructions can result in death, fire, or electrical shock

The electrical ratings for your air conditioner are listed on the model and serial number label located on the front left side of the unit (when facing the front).

Specific electrical requirements are listed in the chart below. Follow the requirements below for the type of plug on the power supply cord.

#### Power Supply Cord

### NEMA 6-20P



- 208/230-volt (198min. - 253 max.)
- 0-16 amps
- 20-amp time-delay fuse or circuit breaker
- Use on single outlet circuit only.

### Recommended Ground Method

For your personal safety, this air conditioner must be grounded. This air conditioner is equipped with a 3 prong power supply cord with a grounded plug. To minimize the possibility of electrical shock, the cord must be plugged into a 3 prong outlet and grounded in accordance with all local codes and ordinances. If a 3 prong outlet is not available, it is the customer's responsibility to have a properly grounded 3 prong outlet installed by a qualified electrician.

#### It is the customer's responsibility:

- To contact a qualified electrician
- To assure that the electrical installation is adequate and in conformance with the National Electrical Code, ANSI/NFPA 70 - latest edition, and all local codes and ordinances.

#### Copies of the standards listed may be obtained from:

National Fire Protection Association

One Batterymarch Park

Quincy, Massachusetts 02269

### LCDI Power Cord and Plug

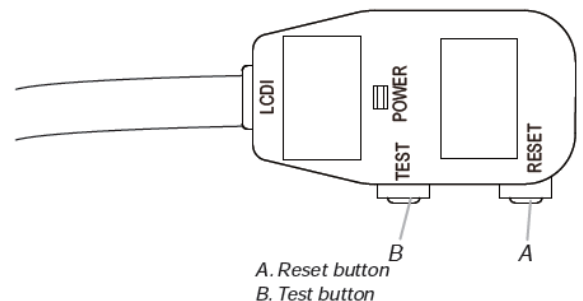
This air conditioner is equipped with an LCDI (Leakage Current Detection and Interruption) power cord that is required by UL. This power supply cord contains state-of-the-art electronics that sense leakage current. If the cord is damaged and leakage occurs, power will be disconnected from the unit.

The test and reset buttons on the LCDI Plug are used to check if the plug is functioning properly. To test the plug:

1. Plug power cord into a grounded 3 prong outlet
2. Press RESET (on some units a green light will turn on).
3. Press the TEST Button, the circuit should trip and cut all power to the air conditioner (on some units a green light may turn off).
4. Press the RESET button for use. You will hear a click and the A/C is not ready for use.

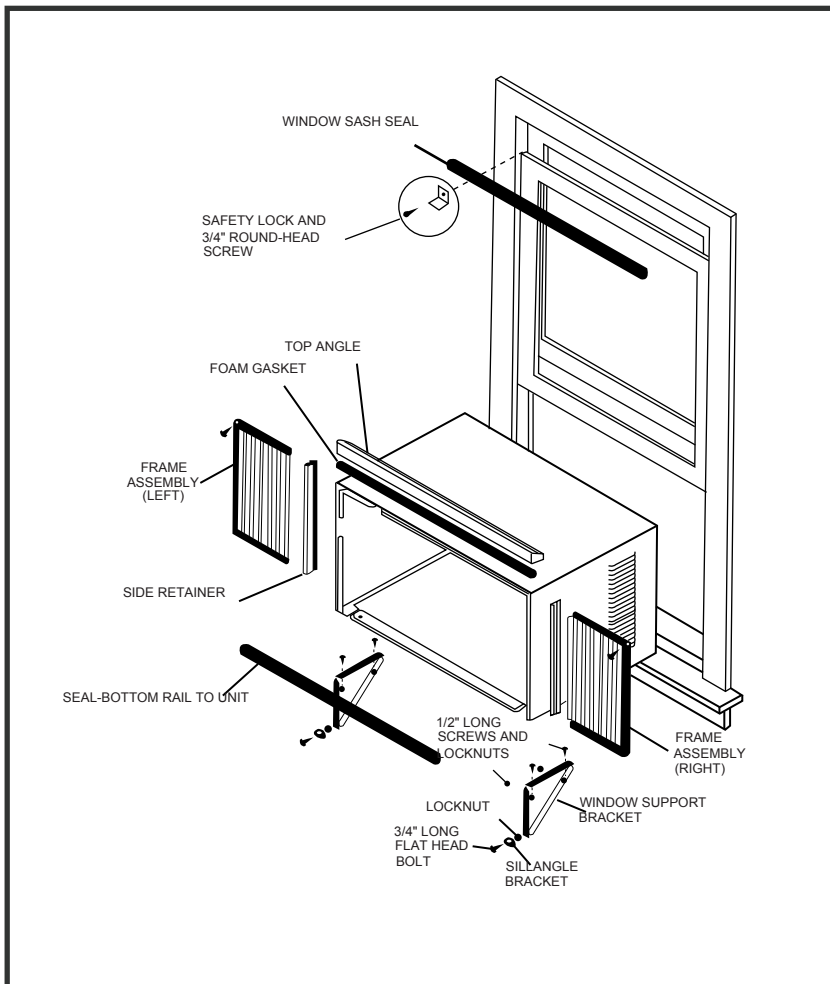
#### NOTES:

- The RESET button must be engaged for proper use.
- The power supply cord must be replaced if it fails to trip when the TEST button is pressed and the unit fails to reset.
- Do not use the power supply cord as an ON/OFF switch. The power supply cord is designed as a protection device.
- A damaged power supply cord must be replaced with a new power supply cord from Soleus Air Powered by Gree.
- The power supply cord contains new user serviceable parts. Opening the tamper-resistant case voids all warranty and performance claims.



NOTE: Your units power cord and plug may differ from the one shown.

## PARTS LIST



| Hardware<br>(in plastic bag)  | QTY   |
|---|-------|
| Safety Lock   | 1     |
| 1/2" Long Screw and locknut   | 4 ea. |
| 3/4" Long Flat Head Bolt and Locknut                                | 2 ea. |
| Sill Angle Bracket  | 2     |
| Long hex-head locking screw for top angle, side retainer 5/16" Long | 10    |
| 3/4" Round-head Screw   | 5     |

### **TOOLS NEEDED**

Large Flathead Screwdriver  
 Tape Measure  
 Adjustable Wrench or Pliers  
 Pencil  
 Level  
 Socket Wrenches  
 Phillips Head Screwdriver

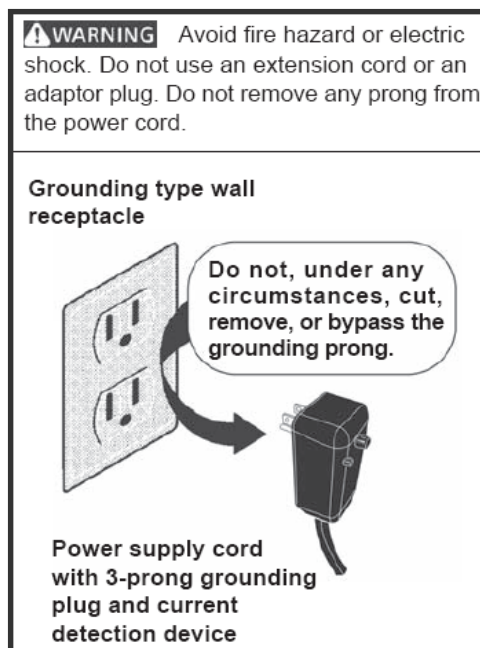
### **Non-Hardware Packing List**

- Window Air Conditioner
- AAA Batteries (2)
- Top Mounting Rail
- Foam Top Mounting Rail Seal Strip
- Accordion Panels (2)
- Side Retainer (2)
- Window Sash Seal
- Foam Seal for Bottom Rail
- Owner's Manual

## SPECIFICATIONS

- Noise level is measured at a distance of 3.28 ft away from the front of the unit in cooling mode.
- Power consumption is measured when the fan runs at the highest speed setting.
- These specifications are for reference only. For actual data, please refer to the rating label on the back of the unit.

| Model                             | SG-WAC-25ESE-C        |
|-----------------------------------|-----------------------|
| Power Supply (Ph/V/Hz)            | 1/230~208/60Hz        |
| Rated Cooling Capacity (BTU/h)    | 25,000                |
| Cooling Power Input (Watts)       | 2,600/2,570           |
| Rated Current Cooling (Amperage)  | 11.5/12.6             |
| EER/C.O.P                         | 9.4/9.4               |
| Noise Level dB (A) H/M/L          | 60/58/56              |
| Air Flow (H/M/L) CFM              | 530/480/440           |
| Dehumidifying Capacity            | 189 Pints per day     |
| Product Dimensions (W" x D" x H") | 26.5 x 26.25 x 18.625 |
| Package Dimensions (W" x D" x H") | 29.25 x 32 x 19.75    |
| Net/Gross Weight (Lbs)            | 135/152               |
| Refrigerant Type                  | R-410A                |
| Plug Type                         | NEMA 6-20P            |



## DISCLAIMER

ALL INFORMATION AND THE TECHNICAL SPECIFICATIONS PRESENTED IN THIS USER'S MANUAL ARE THE PRESENTATION OF THE MANUFACTURER. SOLEUS INTERNATIONAL HAS NOT CONDUCTED INDEPENDENT TEST TO THE INFORMATION AND THE SPECIFICATIONS PRESENTED HEREWITHIN.

## INSTALLATION & ASSEMBLY INSTRUCTIONS

### Window Preparation

Please read all instructions prior to installing your air conditioner. Two people are recommended to install this product. If a new electrical outlet is required, have the outlet installed by a qualified electrician before installing the unit.

Before installing the unit, check the dimensions of your window to make sure the air conditioner will fit. This unit is made to fit inside a standard double-hung window. Make sure the window is in good shape and able to firmly hold the needed screws. If not, make repairs prior to installing the unit.

|                                 |                |
|---------------------------------|----------------|
| Model                           | SG-WAC-25ESE-C |
| Unit Height                     | 18 5/8"        |
| Unit Width                      | 26 1/2"        |
| Min. Window Opening (See FIG 1) | 19 1/2"        |
| Min. Window Width               | 30"            |
| Max Window Width                | 41"            |

### Storm Window Requirements

A storm window frame will not allow the air conditioner to tilt properly which in turn will keep it from draining properly. To adjust for this, attach a board or piece of wood to the sill. The board or wood piece should have a depth of at least 1 1/2". Make sure the board or piece of wood is approximately 1/2" higher than the storm window frame. This will allow the air conditioner to tilt enough for proper drainage. (See FIG. 2).

FIG. 1

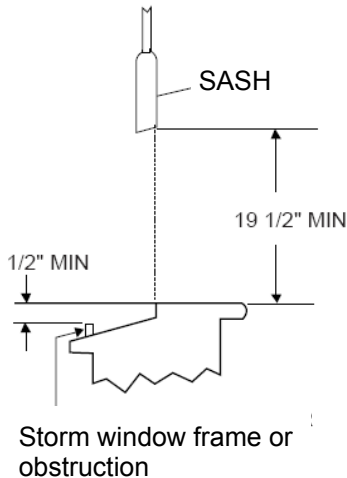
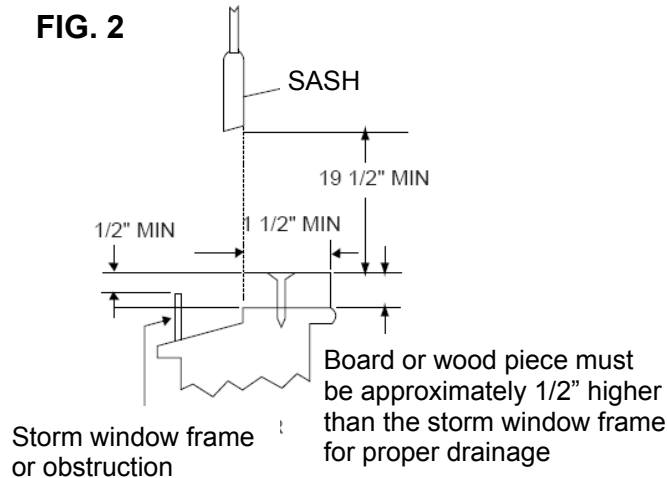


FIG. 2



### Prior to Installing the Air Conditioner

1. Check for anything that could block airflow. Check the area outside of the window for things such as shrubs, trees, or awnings. Check the inside area to make sure curtains, drapes, or blinds will not prevent proper airflow.
2. Check the available electrical outlet. The power supply must be the same as shown on the unit serial nameplate (located on the left side of the unit, near the front faceplate). Be sure the outlet is close enough for the power cord to reach.
3. Carefully unpack the air conditioner. Remove all packing material and make sure the floor is protected when removing. Due to the large size of this air conditioner, two people should move the unit together.

### CAUTION

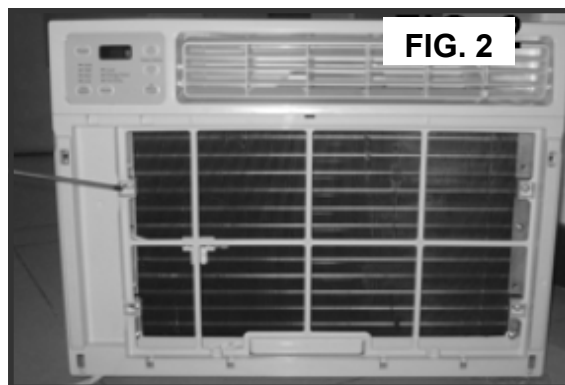
When handling the unit, be careful to avoid cuts from the sharp metal edges and aluminum fins on the front and rear coils.



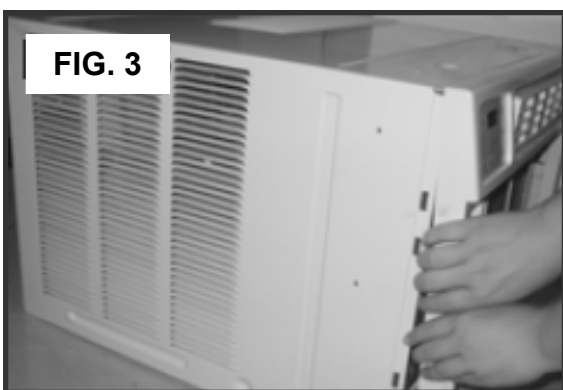
## INSTALLATION & ASSEMBLY INSTRUCTIONS - WINDOW MOUNTING

### REMOVE CHASSIS

1. Pull down the front panel and remove the filter (FIG. 1 below)
2. Lift the front panel upwards to remove and place to the side.



3. Locate the four faceplate screws and remove. These screws will need to be re-installed prior to mounting the air conditioner (FIG. 2 above)
4. After removing the screws, gently pull away the faceplate from the air conditioner cabinet (FIG. 3 & 4).



5. Remove the two control panel screws from the front panel (FIG 5).

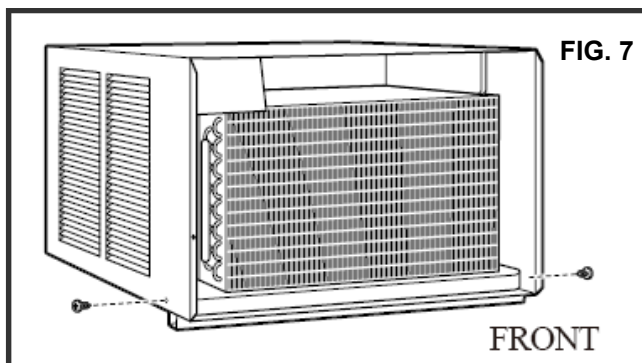
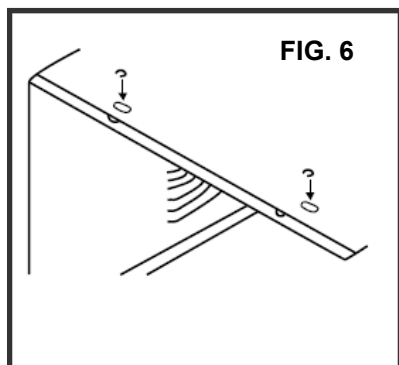




## INSTALLATION & ASSEMBLY INSTRUCTIONS - WINDOW MOUNTING

### REMOVE CHASSIS

6. Remove the shipping screws from the top of the unit and both sides of the cabinet if installed (FIG 6 & 7).



7. Hold the cabinet while pulling on the base handle to carefully remove the unit. Do not pull or lift near the top of the unit (FIG 8).

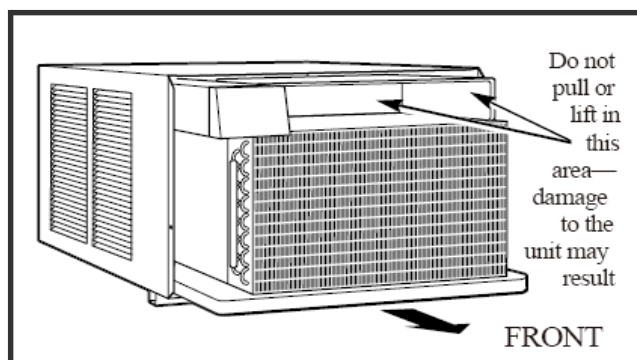
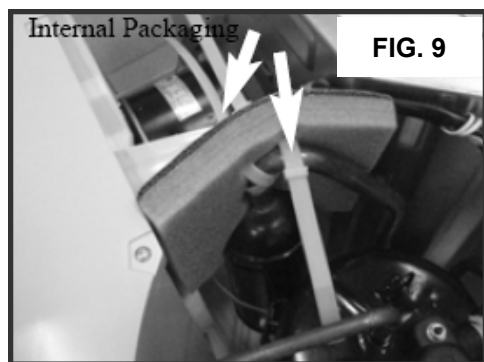


FIG. 8

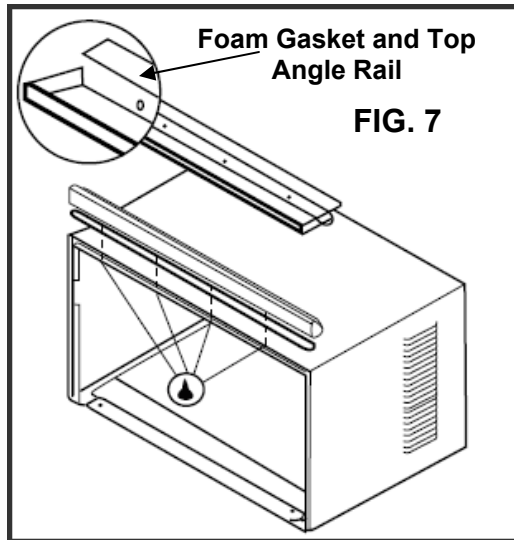
8. Remove the internal packing material prior to installation (FIG. 9)



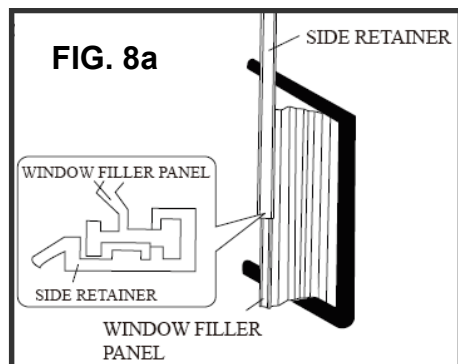
## ASSEMBLY & INSTALLATION (CONT.)

### Top Angle Rail and Side Bracket Installation

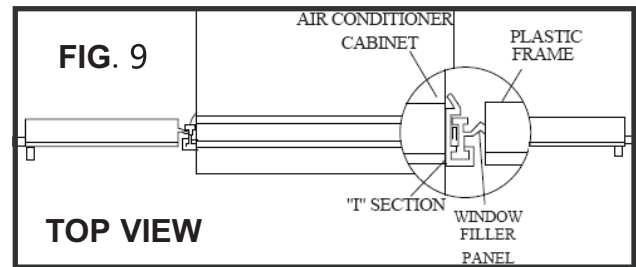
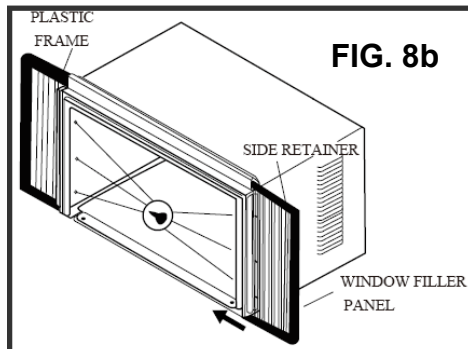
1. Place the air conditioner on a hard flat surface.
2. Locate the foam gasket and top angle rail
3. Attach the foam gasket to the top angle rail
4. Install top angle side to cabinet as shown in FIG 7



5. Slide the "I" section of the window panel into the side bracket of the cabinet (FIG. 8a ). Do this for both sides.

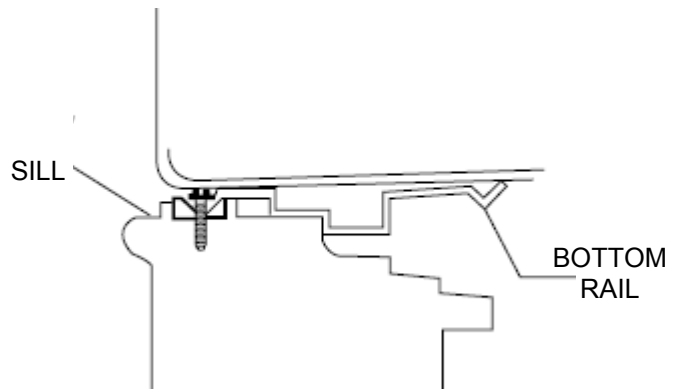


6. Insert top and bottom legs of window filler panel frame into channel in the top angle and bottom rail. Do both sides. Install side retainer to cabinet as shown. FIG 8B-9.

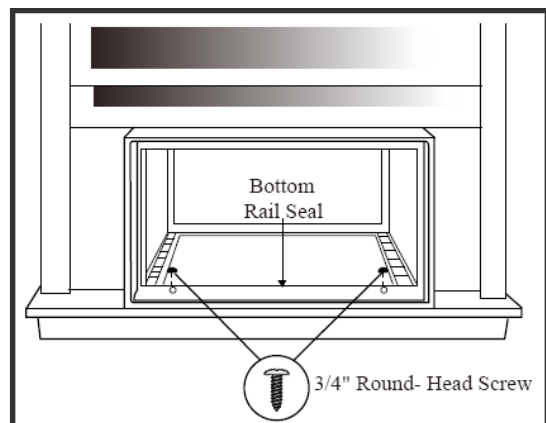


### Placing the Cabinet Inside the Window

1. Open the window and place the cabinet in the middle of the window sill.
2. Make sure the bottom rail is seated over the window sill as shown below. Bring the window down temporarily behind the top angle rail to hold the cabinet in place.

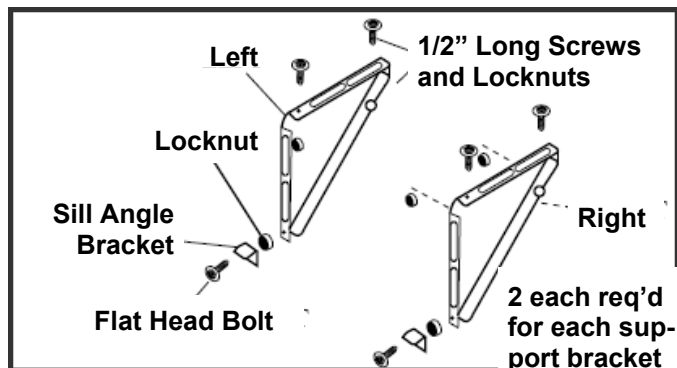
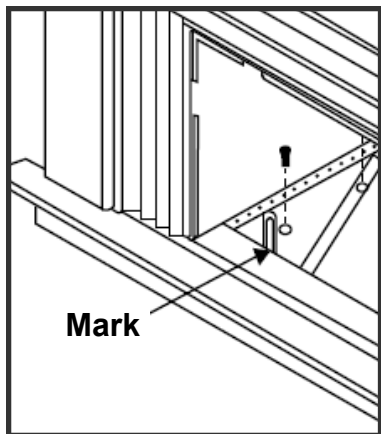


3. Fasten cabinet to window sill using two 3/4" HEX-Head screws. Pre-drill holes if needed. Add the bottom rail seal over the screws.

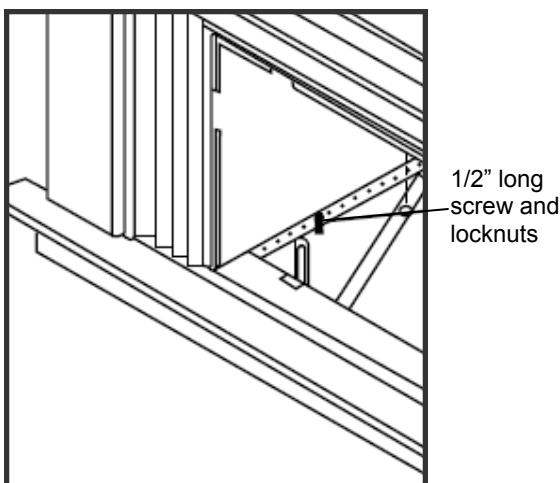


## Install Support Brackets

1. Hold each support bracket flush against the outside of the window sill. Tighten each bracket to the bottom of the cabinet as shown below. Mark the brackets at top lever of the window sill and then remove.

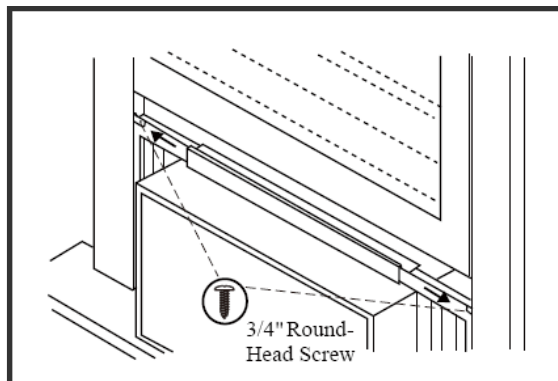


2. Assemble the sill angle brackets to the support brackets at the marked position as shown above. Hand tighten, but not all the way for any changes that may need to be made later during installation.
3. Install the support brackets (with sill angle brackets attached) to the bottom of the cabinet as shown below.
4. Tighten all 6 bolts securely.



## Extend the Accordion Panels

1. Carefully raise the window to expose the accordion panel and panel frame. Loosen the locking screws so

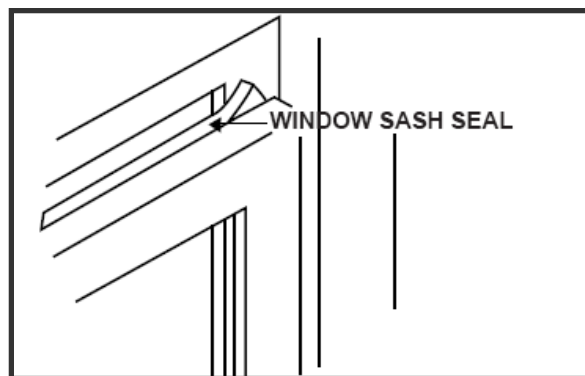


the accordion panels slide easily.

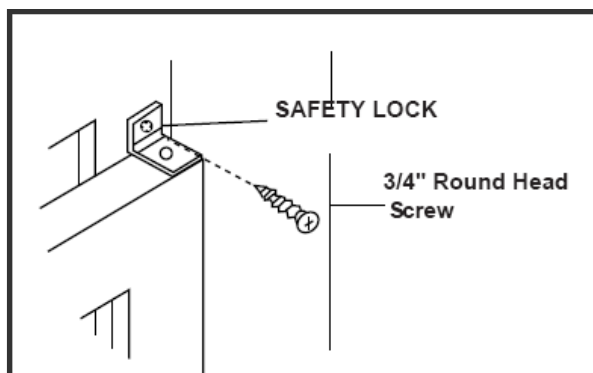
2. Extend each panel to completely fill the width of the window. Tighten the locking screws when the panels are fully extended.

## Install the Window Lock and Sash Seal

1. Trim the sash seal to fit the width of the window. Insert the sash seal into space between the upper and lower sashes.



2. Attach the right angle safety lock as shown below.



## ASSEMBLY & INSTALLATION (CONT.)

### Installing the Chassis into the Cabinet

1. Team lift (two people) the air conditioner chassis and carefully slide it into the cabinet. Let the front of the air conditioner hang out approximately 6".
2. **CAUTION:** DO NOT PUSH ON THE CONTROLS OR FINNED COILS.
3. Be sure the chassis is firmly seated in the back of the cabinet.
4. Insert all screws removed during window installation and reattach the front face plate, front panel, and the air filter. Use the REMOVE CHASSIS instructions and figures 1-6 for reference.

### THRU-THE-WALL INSTALLATION

**NOTE:** Consult local building codes prior to installation and/or a qualified carpenter.

#### Select the Wall Location

This air conditioner has a slide-out chassis, so that it can be installed through an outside wall as specified below:

**MAX WALL THICKNESS:** 8 1/4"

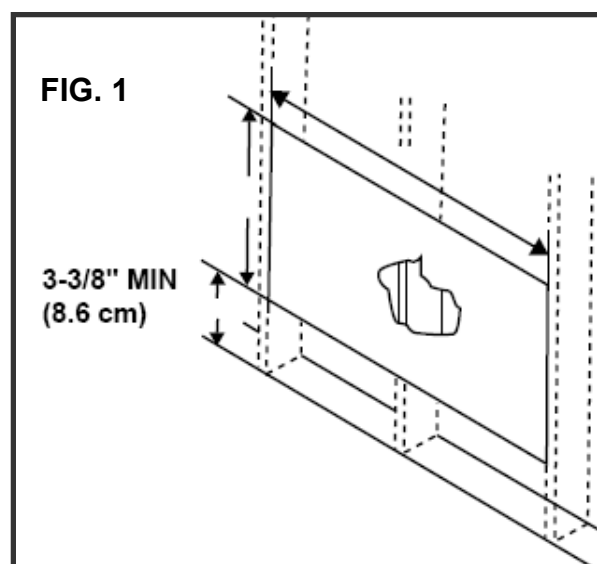
**IMPORTANT:** The side louvers must never be blocked.

**NOTE:** All parts needed for Thru-The-Wall Installation are provided, except a wood frame, shims, and 10 wood screws (10-1" long minimum). Select a wall surface that:

1. Does not support major structural loads such as the frame construction at ends of windows, and under truss-bearing points, etc.
2. Does not have plumbing or wiring inside.
3. Is near existing electrical outlets, or where another outlet can or will be installed.
4. Does not have objects blocking the air vents which limits cooling.
5. Allows unblocked airflow from the rear and sides of the air conditioner.

#### Prepare the Wall

1. Prepare the wall in frame construction (including brick and stucco veneer). Working from inside the room, find the wall stud that is nearest the center of the installation area.
2. Cut a hole on each side of the center stud.
3. Measure between the inside edges of every other stud as shown below.



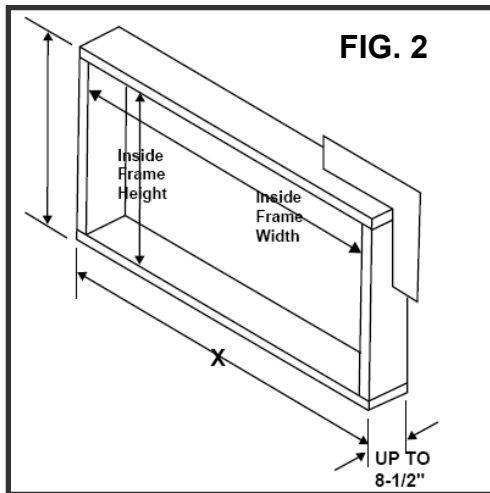
## ASSEMBLY & INSTALLATION - THRU-THE-WALL (CONT.)

Carefully measure and cut an opening with the following dimensions depending on your model (FIG. 1 & 2).

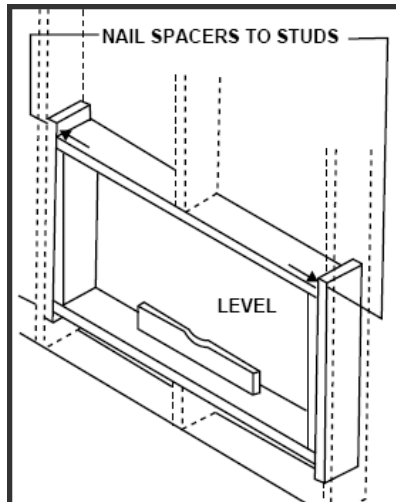
WIDTH "X" = inside model plus twice the thickness of the framing material used.

HEIGHT "Y" = inside model height plus twice the thickness of framing material used.

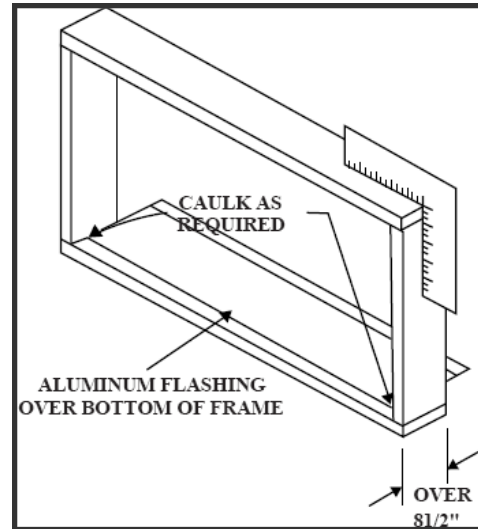
|                     |                   |
|---------------------|-------------------|
| Model               | SG-WAC-25ESE-C    |
| Inside Frame Height | 18 7/8" (47.9 cm) |
| Inside Frame Width  | 26 3/4" (67.9 cm) |



4. Build a wooden frame with the INSIDE dimensions of your model listed above (Measure twice). The frame depth should be the same as the wall thickness. Fill in extra space from the opening to the studs with wood spacers as shown below.
5. Nail the spacers to the studs. They should be flush with the dry wall.

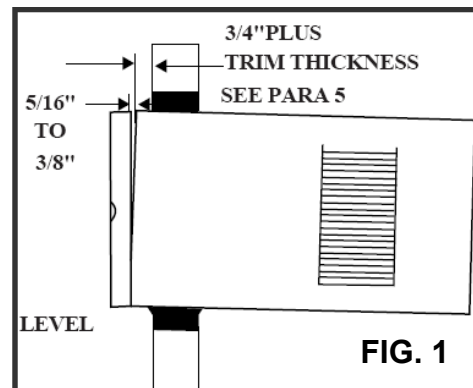


**NOTE:** If wall thickness is 8-12" or more, add aluminum flashing over the bottom of the frame opening to assure water is unable to enter the area between the inner and outer wall.

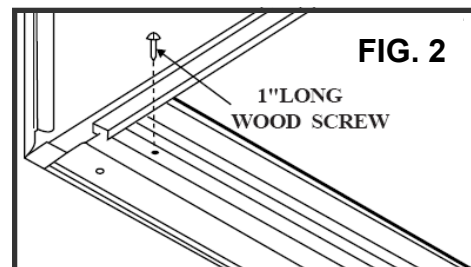


### Prepare and Install the Cabinet

1. Slide the chassis from the cabinet. Refer back to the REMOVE CHASSIS instructions and FIG. 1-6 in the WINDOW MOUNTING SECTION.
2. Place the cabinet into the opening with the bottom rail resting firmly on the bottom board of the wood frame.
3. Position the cabinet so it is tilted properly for water removal as seen below.

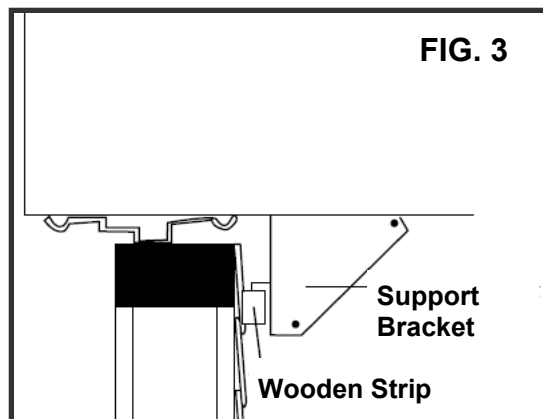


4. Secure the bottom rail to the wood frame with two large 1" (2.5 cm) long wood screws as shown below.

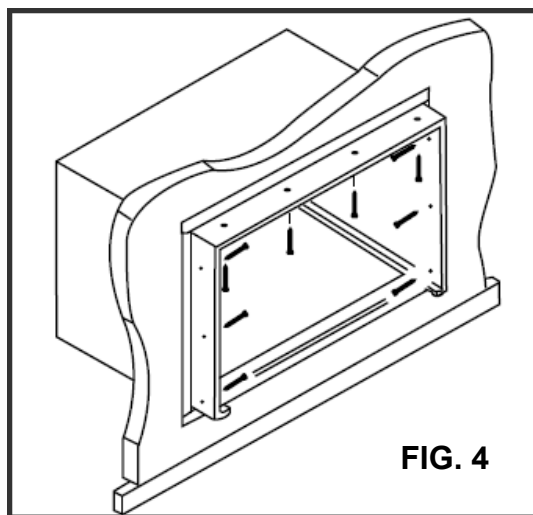


## ASSEMBLY & INSTALLATION - THRU-THE-WALL (CONT.)

Refer to the SUPPORT BRACKET ASSEMBLY in the WINDOW MOUNTING section to assemble the support brackets. A wooden strip nailed to the outside wall should be used in conjunction with the angled sill support brackets.



5. Screw or nail the cabinet to the wooden frame using shims if the frame is oversized, to eliminate possible noise. Remember to maintain proper slope for water elimination.



6. Install the chassis into the cabinet by following the steps described in the WINDOW MOUNTING section.

**OPTIONAL:** Caulking and installation of the trim on the interior wall may be done if desired. Caulk the openings around the top and sides of the cabinet and all sides of the wood sleeve to the opening.

**NOTE:** See the WINDOW MOUNTING instructions for the bottom rail seal location.

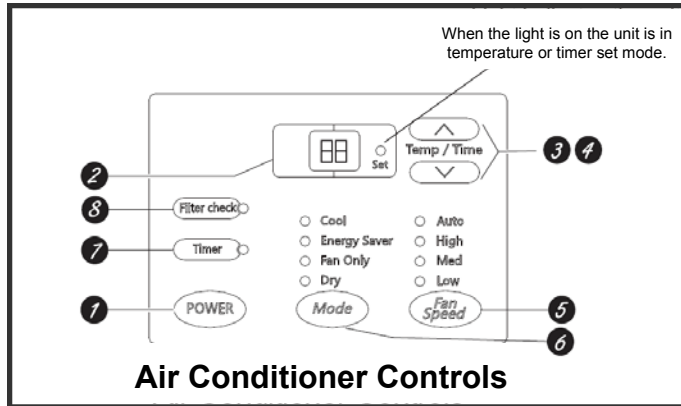
## MASONRY CONSTRUCTION

1. Cut or build a wall opening in the masonry wall similar to the frame construction (refer to the THRU-THE-WALL installation for a wall thickness greater than 8 1/2").
2. Secure the cabinet in place using masonry nails, or masonry anchor screws. Or, build a frame using the instructions found in the THRU-THE-WALL installation section.
3. Make sure the masonry above the cabinet is supported well. Use the existing holes in the cabinet or additional drilled holes to fasten the cabinet at various positions. Make sure that the side louvers are clear of any obstructions.
4. Install the exterior cabinet support brackets according to the SUPPORT BRACKET INSTALLATION instructions in the THRU-THE-WALL installation section. Caulk or flash with aluminum if needed. This will provide a tight seal around the top and sides of the cabinet.
5. For a more aesthetically pleasing installation, apply wood trim molding around the sides of the cabinet without obstructing the side louvers.

## USING YOUR AIR CONDITIONER

### Electronic Control Panel & Remote Control

NOTE: This display always shows the room temperature in Fan Mode except when setting the Set temperature or the Timer.



### Normal Operating Sounds

- You may hear a pinging noise caused by water hitting the condenser, on rainy days, or when the humidity is high. This design feature helps remove moisture and improve efficiency.
- You may hear the thermostat click when the compressor cycles on and off.
- Water will collect in the base pan during rain or days of high humidity. The water may overflow and drip from the outside part of the unit.
- The fan may run even when the compressor is not on.

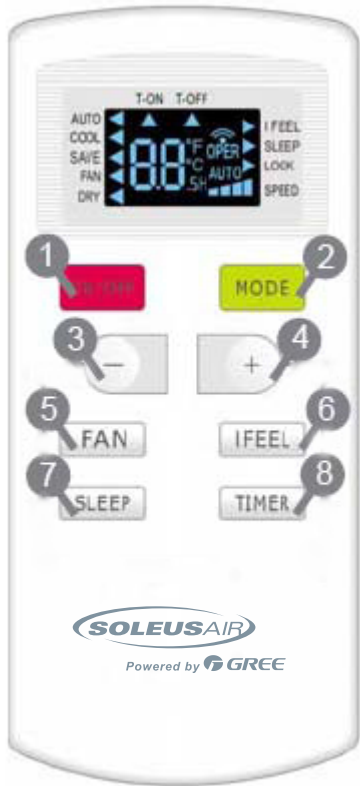
- Power Button:** Turns the air conditioner on and off
- Digital Display:** Under ON status without timer setting, the operation mode is Auto, Cool, Energy Saver or Dry mode, and the set temperature will be displayed.  
Under ON status without timer setting, the operation mode is fan mode and the ambient temperature will be displayed.  
Time will be displayed under timer setting or timer preview.

- Temperature Set:** Use these buttons on the control panel and remote to increase or decrease the Set Temperature (the desired room temperature) in cooling, energy saver and dry mode. The **SET** light will light up when setting the temperature
- Timer Set:** Use these buttons on the control panel and remote to set the Timer. Each press of the Timer (**DELAY**) buttons will increase or decrease the timer. For timer instructions see #7.
- Fan Speed & Auto Fan:** Use the fan speed buttons to change the fan speed. Choose between low, medium, high, and Auto.
- Mode Button:** Press the mode button to cycle through the various modes: Cooling, Energy Saver, Fan only, Dry (Dehumidifier) and Auto.
- Auto-on Timer:** When the air conditioner is off, it can be set to automatically turn on in 0.5-24 hours at the previous set mode and fan setting. To set the Auto-on Timer, press the **TIMER** button on the unit or remote control. The timer can be set in 0.5 hour increment below 10 hours and in 1 hour increment for 10 hours or above.  
The Set light will turn on while setting.  
**Auto-off Timer:** When the air conditioner is on, it can be set to automatically turn off in 0.5-24 hours. To set the Auto-off Timer, press the **TIMER** button on the unit or remote control. The timer can be set in 0.5 hour increment below 10 hours and in 1 hour increment for 10 hours or above. The **SET** light will turn on while setting.
  - To see the remaining time, press the **TIMER** Button. To change the timer setting use the **▲/▼** on the unit or the **+/-** buttons on the remote.
  - During preview of timer or timer setting, press Timer button on the panel or remote controller to cancel the timer setting.
- Filter Check:** After the fan rotates for 250 total hours, the filter check light will turn on to remind the user to clean the filter. Press the Filter check button once the filter is cleaned to reset the reminder.



# OPERATING YOUR AIR CONDITIONER

## REMOTE CONTROL



1. **ON/OFF** - Press the ON/OFF button to turn the A/C on or off. When the unit is turned off, the Timer and sleep functions will be cancelled. The set temperature will be saved.
2. **MODE** - Press the MODE button to change the operating mode. You can choose AUTO, COOL, SAVE (energy saver), FAN only, or Dry (Dehumidifier). The temperature will not be displayed when AUTO mode is selected.
3. **"-"** - Press the "-" button to decrease the temperature when the unit is on. Press and hold the "-" button for more than 2 seconds to quickly cycle through the temperature options. Stop pressing the button when the desired temperature is displayed. The temperature cannot be set in auto mode. Temperature range: 61°F - 86°F.
4. **"+"** - Press the "+" button to increase the temperature when the unit is on. Press and hold the "+" button for more than 2 seconds to quickly cycle through the temperature options. Stop pressing the button when the desired temperature is displayed. The temperature cannot be set in auto mode. Temperature range: 61°F - 86°F.
5. **FAN** - Press the FAN button to turn change the FAN options. You can choose between three speeds and auto mode. The fourth fan option is only available in cooling and energy saver modes.
6. **IFEEL MODE** - Press the IFEEL button to change the thermostat sensor from the air conditioner to the remote location. The air conditioner will cool the area depending on the location and set temperature of the remote control. Take the remote control with you so the air conditioner cools the room to your location. The Remote must be in line of site of the A/C for iFeel to operate correctly.
7. **SLEEP MODE** - Press the SLEEP button to turn SLEEP mode on or off. SLEEP mode is set to off automatically. When SLEEP mode is selected the timer can be adjusted. SLEEP mode is not available in Fan or Auto mode. Sleep mode automatically raises set temperature by 2°F after one hour and 4°F after two hours. This feature limits compressor usage and in turn enhances energy saving while you are sleeping.
8. **TIMER** - Press the TIMER button when the unit is off to set up the Auto-on timer. The Auto-on time can be set between .5 - 24 hours. The icons "T-ON" and "H" will flash for 5 seconds. Start selecting the time using the "+" and "-" buttons before the icons stop flashing. The time will increase/decrease in .5 hour increments with each press of the "+" or "-" buttons. To cancel the Auto-on time, manually press the ON/OFF button to turn the unit on.  
  
Press the TIMER button when the unit is on to set up the Auto-off timer. The Auto-off time can be set between .5 - 24 hours. The icons "T-OFF" and "H" will flash for 5 seconds. Start selecting the time using the "+" and "-" buttons before the icons stop flashing. The time will increase/decrease in .5 hour increments with each press of the "+" or "-" buttons. To cancel the Auto-off time, manual press the ON/OFF button to turn the unit off.  
  
Once the Auto-on or Auto-off time is set, the "T-On" or "T-Off" and "H" will blink for 2 seconds. After 2 seconds the set temperature will be displayed.

Battery Size: AAA - NOTE: Do not mix old and new batteries or different types of AAA batteries.

# OPERATING YOUR AIR CONDITIONER

## REMOTE CONTROL



9. **LOCK/UNLOCK**- Press the “+” and “—” buttons simultaneously to lock and unlock the remote control. When the remote is locked, none of the functions or setting can be changed using the remote.
10. **F° or C°** - To switch between the F° or C° settings, press the MODE and “—” buttons at the same time.
11. **DISPLAY LIGHTS**- Hold the “+” and FAN buttons to turn the lights on the display ON or OFF. This can be done when the unit is on or off.
12. **ENERGY SAVER MODE** - When the unit is in energy saver mode, the Energy Saver light will turn on. Selecting Energy Saver mode will cycle the fan off and on with the compressor to limit energy consumption. Use this feature when the room is unoccupied and a greater range of room temperature is acceptable.
13. **AUTO MODE** - The unit chooses between A/C, Dehumidifier, and fan mode based on the current room temperature.

Battery Size: AAA - NOTE: Do not mix old and new batteries or different types of AAA batteries.

## USING YOUR AIR CONDITIONER (Cont.)

- **Freezing Conditions:** This is a cooling only air conditioner. It is not designed for freezing outdoor conditions. It must not be used in freezing outdoor conditions.
- **Remote Control:** To ensure proper operation when using the remote control, aim the remote directly at the signal receiver on the air conditioner.
  - The remote control has a signal range up to 20 feet.
  - Make sure nothing is blocking the remote control signal from being received by the air conditioner.
  - Make sure the batteries are installed correctly and still have power.
- **Cooling Mode:** Use the COOL mode at Low, Medium, High, or Auto Fan speed when cooling is needed. Use the temperature ▲/▼ buttons to set the desired temperature between 64°F and 86°F.
  - Once the temperature is set, the compressor will cycle on and off to keep the room temperature at the set temperature level. The lower the set thermostat temperature, the cooler the room will become. The higher the set thermostat temperature, the warmer the room will become.
  - For Normal Cooling - Set the Mode to **Cool** and the Fan to **High** or **Med** with the temperature set in the middle.
  - For Maximum Cooling - Set the Mode to **Cool** and the Fan to **High** with a lower set temperature.
  - For Quieter & Nighttime Cooling - Set the Mode to **Cool** and the Fan to **Low** with the temperature set in the middle.

**NOTE:** If the air conditioner is off and is then turned on while set to a Cool setting or if turned from a fan setting to a Cool setting, it may take approximately 3 minutes for the compressor to start and cooling to begin.
- **Energy Saver Mode** - Controls the Fan
  - On** - The fan will cycle on and off with the compressor. This results in wider variations of room temperature and humidity. Normally used with the room is unoccupied. **NOTE:** The fan may continue to run for a short time after the compressor cycles off.
  - Off** - The fan runs all the time in fan or cooling mode.

- **Fan Only Mode:** Use **Fan Only** mode at **Low**, **Med**, or **High** fan speed to provide air circulation and filtering without cooling. Since fan only setting do not provide cooling, a **Set** temperature cannot be entered. The room temperature will appear in the display.

**NOTE:** **Auto Fan** Speed cannot be used in **Fan Only** mode.
- **Loss of Power Protection:** If power to the air conditioner is lost or interrupted, the air conditioner will automatically re-start in the setting last used prior to power loss. If the Timer was set to automatically turn the air conditioner off or on, it will resume countdown at the amount time left prior to power loss. You may need to set a new time if desired.
- **Air Direction:** Use the lever on the front air vents to adjust the direction of the airflow. You can direct the airflow left, right, up or down. The lever is located on the right side of the air vent.

## CARE AND CLEANING

Clean your air conditioner to keep it looking new and to minimize dust build up.

### Air Filter Cleaning

The air filter should be checked at least once every month to see if it needs cleaning. Trapped particles and dust can build up in the filter and may decrease airflow as well as cause the cooling coils to accumulate frost. To clean the air filter:

1. Remove the filter by pulling down on the indents of the filter door on the front of the unit. (See FIG. 13)
2. Wash the filter using liquid dish soap and warm water. Rinse the filter thoroughly. Gently shake the filter to remove excess water.
3. Let the filter dry completely before placing it into the air conditioner.
4. If you do not wish to wash the filter, you may vacuum the filter to remove the dust and other particles.

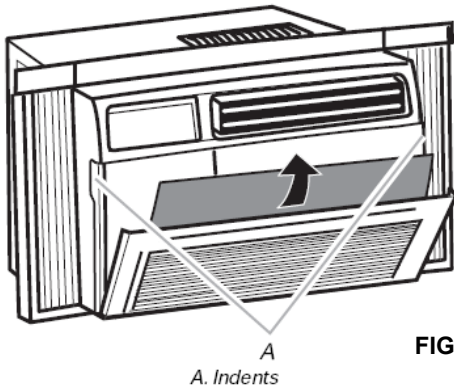


FIG. 13

### Wear and Tear

To minimize wear and tear on the air conditioner, always wait at least 3 minutes before changing modes. This will help prevent the compressor from overheating and the circuit breaker from tripping.

## Cabinet Cleaning

To clean the air conditioner cabinet:

- Unplug the air conditioner to prevent shock or a fire hazard. The cabinet and front panel of the air conditioner may be dusted with an oil-free cloth or washed with a cloth dampened in a solution of warm water and mild liquid soap. Rinse thoroughly with a damp cloth and wipe dry.
- Never use harsh cleaners, wax or polish on the cabinet front.
- Be sure to wring excess water from the cloth before wiping around the controls. Excess water in or around the controls may cause damage to the air conditioner.

## Winter Storage

To store the air conditioner when it is not in use for an extended period of time, remove it carefully from the window according to the installation instructions and cover it with plastic or place it in the original box

## TROUBLESHOOTING

| PROBLEM   | POSSIBLE CAUSES   | SOLUTIONS   |
|---|---|---|
| <b>The Air Conditioner will not start</b>             | The air conditioner is unplugged  | <ul style="list-style-type: none"> <li>Make sure the air conditioner is plug is pushed completely into the outlet</li> </ul>  |
|   | The fuse is blown/circuit breaker is tripped.                               | <ul style="list-style-type: none"> <li>Check the house fuse/circuit breaker box and replace the fuse or reset the breaker.</li> </ul>   |
|   | Power Failure   | <ul style="list-style-type: none"> <li>The unit will automatically re-start when power is restored.</li> <li>There is a protective time delay (approx. 3 minutes) to prevent tripping of the compressor overload. For this reason, the unit may not start normal cooling for 3 minutes after it is turned back on.</li> </ul> |
|   | The current interrupter device is tripped.                                  | <ul style="list-style-type: none"> <li>Press the RESET button located on the power cord plug.</li> <li>If the RESET button will not stay engaged, discontinue use of the air conditioner and contact a qualified service technician.</li> </ul>   |
| <b>The Air Conditioner does not cool as it should</b> | Airflow is restricted   | <ul style="list-style-type: none"> <li>Make sure there are no curtains, blinds, or furniture blocking the front of the air conditioner</li> </ul>   |
|   | The temperature control may not be set correctly.                           | <ul style="list-style-type: none"> <li>Lower the set thermostat temperature</li> </ul>  |
|   | The air filter is dirty   | <ul style="list-style-type: none"> <li>Clean the filter. See the Cleaning and Care Section of the manual.</li> </ul>  |
|   | The room may be too warm  | <ul style="list-style-type: none"> <li>Please allow time for the room to cool down after turning on the air conditioner.</li> </ul>   |
|   | Cold air is escaping  | <ul style="list-style-type: none"> <li>Check for open furnace registers and cold air returns</li> </ul>   |
|   | The Cooling Coils are frozen  | <ul style="list-style-type: none"> <li>See "Air Conditioner Freezing Up" below.</li> </ul>  |
| <b>The Air Conditioner is freezing up</b>             | Ice blocks the air flow and stops the air conditioner from cooling the room | <ul style="list-style-type: none"> <li>Set the MODE dial to HIGH FAN or HIGH COOL and set the thermostat to a higher temperature</li> </ul>   |
| <b>The Remote Control is not working</b>              | The batteries are inserted incorrectly                                      | <ul style="list-style-type: none"> <li>Check the position of the batteries.</li> </ul>  |
|   | The batteries may be dead   | <ul style="list-style-type: none"> <li>Replace the batteries</li> </ul>   |

## TROUBLESHOOTING (CONT.)

| PROBLEM                           | POSSIBLE CAUSES  | SOLUTIONS  |
|-----------------------------------|--|--|
| Water is dripping outside         | Hot and Humid weather.                                       | <ul style="list-style-type: none"><li>• This is normal</li></ul>   |
| Water is dripping inside the room | The air conditioner is not correctly tilted outside.         | <ul style="list-style-type: none"><li>• For proper water drainage, make sure the air conditioner is slightly tilted downward from the front of the unit to the rear.</li></ul> |
| Water collects in the base pan    | Moisture removed from the air is draining into the base pan. | <ul style="list-style-type: none"><li>• This is normal for a short period in areas with low humidity and normal for a longer period in areas with high humidity.</li></ul>     |

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## Warranty

Soleus International Inc. warrants the accompanying Soleus Air Air Conditioner to be free of defects in material and workmanship for the applications specified in its operation instruction for the period of parts specified below.

|                             |
|-----------------------------|
| 5 YEARS FOR COMPRESSOR      |
| 1 YEAR FOR OTHER COMPONENTS |

This warranty shall not apply to broken or marred cabinets, accessories, knobs, filters or routine maintenance. This warranty does not apply to uncrating, setup, installation, removal of the product for repair or reinstallation of the product after repair.

This warranty does not apply to repairs or replacements necessitated by any cause beyond the control of Soleus International including, but not limited to, any malfunction, defect or failure caused by or resulting from unauthorized service or parts, improper maintenance, operation contrary to furnished instructions, shipping or transit accidents, modification or repair by the user, abuse, misuse, neglect, accident, incorrect power line voltage, fire, flood or other Acts of God, or normal wear and tear.

Warranty service must be performed by a qualified HVAC contractor. Soleus maintains a centralized service network to provide parts and assist in resolving service problems if difficulties are encountered. Soleus agrees to provide service information, sell repair parts and reimburse the dealer /serviceman for parts in accordance with Soleus International's Policies and Procedures.

SOLEUS INTERNATIONAL MAINTAINS THAT ALL WARRANTIES, INCLUDING IMPLIED WARRANTY OR MERCHANTABILITY ARE LIMITED TO THE TERMS AND CONDITIONS SPECIFIED ABOVE. SOLEUS INTERNATIONAL DISCLAIMS ANY LIABILITY FOR CONSEQUENTIAL OR INCIDENTAL DAMAGES AND IN NO EVENT SHALL SOLEUS INTERNATIONAL INC.'S LIABILITY EXCEED THE RETAIL VALUE OF THE AIR CONDITIONER.

This warranty covers only new products purchased from our authorized dealers or retailers. It does not cover internet sales, used, salvaged, or refurbished products.

FOR TECHNICAL SUPPORT AND WARRANTY SERVICE, PLEASE CONTACT:

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